

20000427.qrp v01_n804.qrl.20000427

Date: Thu, 27 Apr 2000 19:03:05 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1804

QRP-L Digest 1804

Topics covered in this issue include:

- 1) [68760] Any Word On ARRL Site?
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- 2) [68761] QRP in the summer
by Mike Gipe <mgipe@reliablemeters.com>
- 3) [68762] Appalachian Trail Pictures
by "Ron Polityka" <wb3aal@talon.net>
- 4) [68763] SMK-1: Flux needed?
by Rohn <rohn@pubrats.com>
- 5) [68764] Attenuators
by Rohn <rohn@pubrats.com>
- 6) [68765] FOX: Summer fox?
by Rohn <rohn@pubrats.com>
- 7) [68766] Re: K1EL K10 Keyer info needed.
by Tom Isgro <k8cz@concentric.net>
- 8) [68767] Re: Mendelson's Lets the Smoke Out!
by Tom Isgro <k8cz@concentric.net>
- 9) [68768] Re: Any Word On ARRL Site?
by David Newkirk <dpnewkirk@home.com>
- 10) [68769] Re: Attenuators
by wd3p@juno.com
- 11) [68770] ARRL Site
by AD6EZ@aol.com
- 12) [68771] RE: At Last, another Red Hot 20 is on the air! - a review (kind of)
by Nick Kennedy <nkennedy@tcainet.net>
- 13) [68772] FOX: Summer fox?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 14) [68773] HB: Cheaper 2n3553's
by Wa3ptg@aol.com
- 15) [68774] Re: Cheaper 2n3553's
by "Dave Benham" <dodgeboy@mindspring.com>
- 16) [68775] SMK-1 Comments
by "Dennis Payton" <dpayton@fwi.com>
- 17) [68776] Re: SMK-1 parts
by Dave Fifield <fifield@pacbell.net>
- 18) [68777] QRPTTF: KV2X will be on the air...
by Thomas Jennings <jennings@eznet.net>
- 19) [68778] Re: SMK-1 parts

- by "Dan W. Dooley" <dandooley@pipeline.com>
- 20) [68779] SMK-1 re building, longish
by "Terres Family" <terresfm@ncia.net>
- 21) [68780] Re: Alinco DX-77T QSK?
by "Jackowiak" <jackowiak@kearney.net>
- 22) [68781] Re: Which DSW kit to buy?
by "Karl B. Staddon" <ve6kbs@agt.net>
- 23) [68782] Status: Bob WA2HQrp
by Niel Skousen <skousen@srv.net>
- 24) [68783] Re: FOX: Summer fox?
by Rohn <rohn@pubrats.com>
- 25) [68784] Re: Attenuators
by Rohn <rohn@pubrats.com>
- 26) [68785] Re: SMK-1: Flux needed?
by Rohn <rohn@pubrats.com>
- 27) [68786] Re: FOX: Summer fox?
by Bob Kellogg <ae4ic@nr.infi.net>
- 28) [68787] Re: Speaking of melted solder.....
by Monte Stark <ku7y@dri.edu>
- 29) [68788] knife switches
by Tom Bessler <tbessler@OregonVOS.net>
- 30) [68789] Re: QRP in the summer
by "Jim Barrett - KC2DCC" <jbarrett@stny.rr.com>
- 31) [68790] QRP at Dayton?
by "Dave K7PRZ" <k7prz@earthlink.net>
- 32) [68791] Re: Cheaper 2n3553's
by Wa3ptg@aol.com
- 33) [68792] finding old callsign
by "Mark Paley" <mpaley@wcnet.org>
- 34) [68793] RE: ARRL Site
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 35) [68794] QRPTTF: NQ4RP/MM
by Michael C Boatright <ko4wx@mindspring.com>
- 36) [68795] Re: Cheaper 2n3553's
by K7GT@aol.com
- 37) [68796] Re: Cheaper 2n3553's
by "Dave Benson" <nn1g@earthlink.net>
- 38) [68797] K2 Glitch?
by Ed Loranger <we6w@qsl.net>
- 39) [68798] QRPTTF 2000!
by "Mitchell, Jon" <jon.mitchell@appnet.com>
- 40) [68799] Re: K2 Glitch?
by "Mike Yetsko" <myetsko@insydesw.com>
- 41) [68800] Transistor Substitution
by K5KW@aol.com
- 42) [68801] Re: QRP at Dayton?
by "Thom Durfee" <wi8w@arrl.net>
- 43) [68802] QRP banquet

by Joe Smith <joe@joesmith.net>
44) [68803] Re: Transistor Substitution
by Arjen Raateland <Arjen.Raateland@vyh.fi>
45) [68804] CONTEST: QRP Calendar - This Weekend
by Ken Newman <N2CQ@citnet.com>
46) [68805] out...
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
47) [68806] Re: Part help
by Monte Stark <ku7y@dri.edu>
48) [68807] old callsign
by "Mark Paley" <mpaley@wcnet.org>
49) [68808] Re: K2 Glitch?
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
50) [68809] RE: old callsign
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
51) [68810] QRPTTF Lightning Caution
by "David Bixler" <DBixler@co.seneca.k12.mo.us>
52) [68811] knife switches
by Tom Bessler <tbessler@OregonVOS.net>
53) [68812] Solder Pot
by david.sarraf@thermacore.com
54) [68813] Re: Solder Pot
by david.sarraf@thermacore.com
55) [68814] MX-7 info pse
by wb5qyt@eFortress.com
56) [68815] Dummy Load
by "Brad Hernlem" <alihernlem@hotmail.com>
57) [68816] Re: Dummy Load
by "Ron Giuntini" <rong@slip.net>
58) [68817] Re:K2 Glitch
by Ed Loranger <we6w@qsl.net>
59) [68818] Based-Loaded Vertical Theory Questions (semi-long)
by "Phinizy, William" <wphinizy@filenet.com>
60) [68819] New K2 Manual
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
61) [68820] Re: FOX: Summer fox?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
62) [68821] QRPTTF postponed & the Acrylic Alphabet
by nilsbull@juno.com
63) [68822] Contest: QRP to the Field Operation for K1MG, AD6A, AK1P, KI6DS
by "Doug Hendricks" <ki6ds@hotmail.com>
64) [68823] Re: Dummy Load
by "Brad Hernlem" <alihernlem@hotmail.com>
65) [68824] RE: Dummy Load
by schoon@amgt.com
66) [68825] Re: Contest: QRP to the Field Operation for K1MG, AD6A, AK1P, KI6DS
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
67) [68826] RE: Contest: QRP to the Field Operation for K1MG, AD6A, AK1P, KI6

DS

by Mike Gipe <mgipe@reliablemeters.com>

Date: Wed, 26 Apr 2000 19:28:50 EDT
From: AD6EZ@aol.com
To: qrp-l@lehigh.edu
Subject: [68760] Any Word On ARRL Site?
Message-ID: <ba.4a47b9c.2638d5b2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All -

Has anyone heard when the ARRL website will be back on line?

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: Wed, 26 Apr 2000 16:28:18 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
Subject: [68761] QRP in the summer
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EB61@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Spring has arrived. Taxes are in the mail. The major project at work is nearing climax. The days are getting longer, and the rains have stopped. When spring arrives, a man's fancy turns to thoughts of ...

antennas, of course. I stepped into the back yard yesterday after work to see how well the antennas survived the winter. The G5RV was still up, and the tribander was intact and pointing north. No surprises there, of course, since everything has been working just fine from the shack's perspective. What did surprise me was that the whole yard had blossomed. The Japanese maples were vibrant red, burgundy, and lime green. The dogwoods were a beautiful waxy white and pink. The bumblebees bumbled and buzzed. I saw the tracks of the skunks who had woken from hibernation and come out for some grub. (They must be attracted to RF, Ron!) On the far side of the vegetable garden, out of the corner of my eye, I saw something move.

I stepped a little closer, stopped, and caught another glimpse of something moving, looking like burnished copper, but softer. Then it sauntered out and looked straight at me. There he was, the wily fox, his pelt a beautiful reddish brown color, full and healthy. I chuckled and thought to myself, "What are you doing here? I thought the winter foxhunts had pretty much worn you out." It must have been too much sun on my brain, or maybe I was a little light-headed from smelling the perfume of the flowers, but I could have sworn I heard him reply,

"You QRPers thought you had me on 40 meters this past winter, but I'm back, and you'll have to try to catch me again! Be alert! Look for me twice a week on 20 meters."

With that, he was gone. I'm not sure if I really saw him, or if I was just hallucinating. I'm going to have to go back and reread Ed Hare's book on RF exposure. Maybe it's a symptom. In any case....hmmm...I wonder how 20 meters is right now....

Mike K1MG

Date: Wed, 26 Apr 2000 20:03:19 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Cc: ".G-QRP Club" <GQRP@egroups.com>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [68762] Appalachian Trail Pictures
Message-ID: <00fa01bfafdc\$0593c720\$50e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

For the QRPers that worked the guys from the
Appalachian Trail in PA, take a look at some pictures.

New pictures under April 1, 2000 & April 15, 2000.

<http://www.n3epa.org/Pages/AT/AT-trips.htm>

72 & 73

Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society #45	

Date: Wed, 26 Apr 2000 19:39:29 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: qrp-l@lehigh.edu
Subject: [68763] SMK-1: Flux needed?
Message-ID: <Pine.LNX.3.96.1000426193630.7930A-1000000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I read the article on the NorCal web page... is additional flux needed for building the SMK-1 kit? Or is it just a good idea?

I don't really expect lifelong, fulltime use out of this kit so should I be less concerned about that for now? I would like (I think) long use out of the next surface mount NorCal kit, so would I use additional flux then? Should I therefore practice with it now?

Only slightly confused, but not stressed ;-)
72's
Rohn, N0RTX

Date: Wed, 26 Apr 2000 19:41:54 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: qrp-l@lehigh.edu
Subject: [68764] Attenuators
Message-ID: <Pine.LNX.3.96.1000426193931.7930B-1000000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What is the common attenuators QRPp ops are using? Is there a design, or

perhaps kit, that notices RF and switches the attenuator inline during transmit and out for receive?

I'd like to play with QRPp power levels, but don't really have fabulous antennas enough to not be concerned about losing receiving sensitivity.

Thanks & 72's
Rohn, NØRTX

Date: Wed, 26 Apr 2000 19:43:01 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: qrp-l@lehigh.edu
Subject: [68765] FOX: Summer fox?
Message-ID: <Pine.LNX.3.96.1000426194156.7930C-100000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The summer fox hunt that was mentioned... that'll be on 80 meters, yes?
Just makin' sure I'm ready when they say "GO!" ;-)

72's
Rohn, NØRTX

Date: Wed, 26 Apr 2000 20:32:12 -0400
From: Tom Isgro <k8cz@concentric.net>
To: REDSBOY@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68766] Re: K1EL K10 Keyer info needed.
Message-ID: <39078A8C.81A0327C@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I've always had good luck with the Embedded research Tick series.
You might want to give them a look at

<http://www.frontiernet.net/~embres/>

--
72, 73 oo's
Tom K8CZ Hamilton, OH
FPqrp #-41, QRP-l 945, FISTS 2360, NORCAL 2113, ARCI 9606,

10-10 68364, SCI 1479, ARS 203, ARRL

Date: Wed, 26 Apr 2000 20:35:16 -0400
From: Tom Isgro <k8cz@concentric.net>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68767] Re: Mendelson's Lets the Smoke Out!
Message-ID: <39078B44.7DB2B46C@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

YeP, I heard about it. Anyone know how severe the damages and when we can get back in.

--
72, 73 oo's
Tom K8CZ Hamilton, OH
FPqrp #-41, QRP-1 945, FISTS 2360, NORCAL 2113, ARCI 9606,
10-10 68364, SCI 1479, ARS 203, ARRL

Date: Wed, 26 Apr 2000 20:34:11 -0400
From: David Newkirk <dpnewkirk@home.com>
To: qrp-1@Lehigh.EDU
Subject: [68768] Re: Any Word On ARRL Site?
Message-ID: <39078B03.9A1BB474@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's back online--it actually was never offline, it just was unreachable through the normal means of name resolution--but it takes time for the restored address information to propagate through the net.

Dave Newkirk, W9VES
dpnewkirk@home.com

Date: Thu, 27 Apr 2000 01:07:29 +0100
From: wd3p@juno.com
To: rohn@pubrats.com, qrp-1@Lehigh.EDU
Subject: [68769] Re: Attenuators
Message-ID: <20000427.010837.-117045.0.wd3p@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Wed, 26 Apr 2000 19:41:54 -0500 (CDT) Rohn <rohn@pubrats.com> writes:
> What is the common attenuators QRPp ops are using? Is there a design,

I have been using a Ten Tec 290 attenuator - it cuts 5 watts down to 20 mWatts in six steps. It does better if you start with a lower power. I picked it up used off of the local DX packet cluster a couple of years back.

>
> I'd like to play with QRPp power levels, but don't really have
> fabulous
> antennas enough to not be concerned about loosing receiving
> sensitivity.

I leave it in line for transmit and receive without any problems. If you are cutting back to QRPp levels in most cases you can hear them real well as most are running more power than you are. Don't worry about the antenna. More is made of that than is necessary. I've done WAS at 500 mWatts from MD on nothing more than dipoles. Of course a big beam will do better but you don't need it to do QRPp. Check out my QRP WAS page under my QRP links to see what can be done.

73 de Larry.....WD3P in MD
<http://www.erols.com/lejek>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 21:21:27 EDT
From: AD6EZ@aol.com
To: qrp-l@lehigh.edu
Subject: [68770] ARRL Site
Message-ID: <e0.39b1c75.2638f017@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Tnx All -

I got several responses telling me that the ARRL site was back on line.
Well, just about 10 minutes before I got my first reply the site was
unreachable from Goleta, CA. Ten minutes later it was just fine - go figure!
Thx to all who replied, you were all very kind.

73 es God Bless de Denny AD6EZ <><
Goleta, CA

Date: Wed, 26 Apr 2000 20:53:18 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'agttaylor@llnl.gov'" <agttaylor@llnl.gov>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [68771] RE: At Last, another Red Hot 20 is on the air! - a review (kind
of)
Message-ID: <01BFAFC1.73BA4780.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I guess I should declare my Red Hot finished (since I used it in FYB0) and
report ...

Construction is pretty straightforward. I did also encounter a few places
where one instruction has you put in a part and the next instruction
advises you how to do it right. So read ahead.

I only soldered in one part in the wrong place. But believe me, one is
enough.

As far as problems--seems I had troubles getting the NE602 oscillators to
oscillate. At least I think that was the problem. And it took quite a
while to get transmitter output that anyone could hear. Turns out that
when I tuned for max power I was working spread spectrum. I finally found
a sweet spot on the tuning. (SWR meter is a good indicator here--if you
can't get 1:1, something ain't right.) I think I'm getting about 4 watts
out, but my measurement isn't precision. I also couldn't get a response
out of Dave. Not complaining or criticising, mind you. Just the facts,
ma'am. It's pretty hard to troubleshoot something by remote control
anyway.

Also, I don't get a continuous power adjustment. Turn it down a little bit
and it's gone. Not a problem for me though. I don't think I'd be taking
the case of frequently for power adjustments anyway.

It's a beauty alright. The red case and even the red board.

The T/R switching is so smooth, you wonder if you're really transmitting.
The transmitted note is good and chirp free.
Even though it's said to be a power hog, I have no reservations using it
for FYBO or QRP-TTF for half a day or more with my little 4 A-H battery.

I do hear more signal on the "non-existent" sideband than I do with my big
rig. But it's down quite a bit. It's still a single-signal rig ... I'm
not all that discriminating, but that's so much better than those DC
receivers.

VFO is stable enough for me. If you have to measure to tell there's a
problem, then there's no problem. Anyway, I date back to VF-1's and crummy
hallicrafters receivers, so fooling with dials was always part of the fun
for me.

As far as VFO non-linearity goes, how are you gonna know when you don't
have a calibrated dial but have to push a button to find out what freq
you're on? But I checked and sure enough, it's a lot faster on the low end
than on the high end. But not enough that the tuning rate is too fast.
Now that I know about the non-linear tuning rate, I'm gonna worry
NOT!

OK. There's my stream-of-unconsciousness review of the Red Hot 20.
Overall, I'm glad to have one.

72,

Nick, WA5BDU

Date: Wed, 26 Apr 2000 22:08:11 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:rohn@pubrats.com" <rohn@pubrats.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [68772] FOX: Summer fox?
Message-ID: <200004262211_MC2-A2B6-F7D7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Rohn:

Well as I said before, from what I have heard it will be on 20 Metres, and somewhat similar to the 40 Metre version. This is all scuttlebutt, but makes sense. I have thought for a long time it would be nice to have the FOX hunt setup where DX can participate. 40 works FB during the winter months, and indeed Chuck Adams set it up that way originally. But when have we seen a DX station in the final log?

Hoping that there will indeed be a summer FOX hunt. Seems like a long time between the winter hunts :-).and FOX hunt withdrawal is getting tougher each year...

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail = K0EVZ@arrl.net

Date: Wed, 26 Apr 2000 22:16:35 EDT

From: Wa3ptg@aol.com

To: badger@vbe.com, qrp-1@lehigh.edu

Subject: [68773] HB: Cheaper 2n3553's

Message-ID: <be.322bd74.2638fd03@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 4/26/00 6:54:20 PM Eastern Daylight Time, badger@vbe.com writes:

> In the idea exchange there is a letter regarding the high cost of
> today's 2N3553's (\$5.50 each quoted at RF parts in the article). The
> suggestion (very valid) is that the \$1.50 2SC2166 works well and may
> be a good lower cost replacement. I have been buying "house marked"
> 2N3553 transistors for .99 each from BG Micro and they work great.....
> very satisfied.

>

The 2SC2166 is the final in the Ten Tec 13xx series. I get 2.5 watts out on 40 with mine. RF parts is running a special on them right now.

I was wondering if the '3553 couldn't be replaced with 2 2N2219As. On 40 they should be good for 1 watt out each. They go for 25 cents at Dan's, a lot

cheaper than \$5.50! The last toy rig I built had 2 parallel 2N4401s, got 800 mw output. Not bad for 2 6-cent transistors. Also, take another look at the 2N2/40. It has 3 2N2222s (T0-18 case) in parallel. It would be fun to try some 2N2219A, 2N3503, or 2N2102s to see what they would do. With a little tweaking, the 2N2/40 final stage could be tacked onto a a pixie, 49er, or whatever. Yup, not only am I a homebrewer, I'm a cheap homebrewer!

72 DE WA3PTG
Harry (Hap) Hurst NJQRP-EPAQRP
Wilmington DE QRP-L #1464

Date: Wed, 26 Apr 2000 22:32:00 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <Wa3ptg@aol.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [68774] Re: Cheaper 2n3553's
Message-ID: <004701bfaff0\$cdda2260\$d6d279a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, we've got miles per watt. Now we have watts per dollar? :^)
Dave K8TRF

----- Original Message -----
From: <Wa3ptg@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, April 26, 2000 10:16 PM
Subject: HB: Cheaper 2n3553's

> In a message dated 4/26/00 6:54:20 PM Eastern Daylight Time,
badger@vbe.com
> writes:
>
> > In the idea exchange there is a letter regarding the high cost of
> > today's 2N3553's (\$5.50 each quoted at RF parts in the article). The
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> >

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> tweaking, the 2N2/40 final stage could be tacked onto a a pixie, 49er, or
> whatever. Yup, not only am I a homebrewer, I'm a cheap homebrewer!
>
>
>
> 72 DE WA3PTG
> Harry (Hap) Hurst NJQRP-EPAQRP
> Wilmington DE QRP-L #1464
>

Date: Wed, 26 Apr 2000 21:32:46 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [68775] SMK-1 Comments
Message-ID: <003001bfaff0\$e3030120\$21a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

SMK-1 #132 is finished and checked out. Construction took about 3-3/4 hours from when I first opened the bags to when I finished soldering the temporary connectors on it and it puts out about .2 watts @ 12.5 volts and .25 watts @ 14.5 volts. I also hooked a new nine volt battery up to it and got about .1 watts.

At first I was disappointed that the kit didn't include fine solder like the SMiTe kit but I quickly discovered that my .032 solder worked fine. The first thing I did was number the bags with a felt marker like they are on page 4 of the instructions so I wouldn't have to repeatedly turn there. Next

I put less than a drop of flux on my finger and rubbed it over the board. This may not be an "approved" thing to do but I felt it would help insure good joints. Plus I cleaned it off after I finished soldering the inductors.

The soldering technique covered in the instructions worked great. I found 6" dental-type tweezers worked best because the bend at the tip allowed me to keep the other end of the tweezers laying on the bench at all times. That made it very easy to hold them completely steady. Holding the iron on the edge of the tinned pad, I melted the solder just as I was setting the part on it and seeing the solder hop up to the part told me I was going to have a good joint. For me, the most difficult parts to solder were Q1, Q2, and Q5 but an eye loupe verified the solder took fine.

I did have one problem with the kit. Item #26 in my bag contained a 1K resistor instead of the 560 ohm resistor called for. I found an 1/8 watt 560 ohm in my junk box though, and it fit okay.

It's a really neat little rig and a really neat looking board. I haven't decided how to package it yet but I'll probably either buy the New Jersey QRP Club's enclosure or use something bigger so I can include an audio filter, a simple tuner, and a small SWR indicator.

THANKS!! to everybody involved!

Denny Payton, N9JXY
Auburn, IN

Date: Thu, 27 Apr 2000 19:56:04 -0700
From: Dave Fifield <fifield@pacbell.net>
To: nally@talstar.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68776] Re: SMK-1 parts
Message-ID: <004c01bfb0bd\$4b115d80\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

John,

For the SMK-1 kit, we don't recommend doing that! We recommend only opening one component compartment at a time - it's real easy to get those tiny parts mixed up and some of them don't have any markings on them at all!

Cheers,
Dave Fifield, AD6A

----- Original Message -----

From: John Nall <nally@talstar.com>

Subject: Re: SMK-1 parts

> I've found that a styerfoam (sp?) egg carton is awfully handy for building
> kits. The little egg-containers hold small parts such as transistors,
> pots,
> screws, etc., while resistors and diodes can be easily stuck into the
foam.
>
> John

Date: Wed, 26 Apr 2000 23:17:38 -0400

From: Thomas Jennings <jennings@eznet.net>

To: unlisted-recipients;; (no To-header on input)

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [68777] QRPTTF: KV2X will be on the air...

Message-ID: <3907B152.43885260@eznet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang,

I just got word that our family trip to Massena, NY is postponed for a few weeks. Change of plans now. So I will be operating from Webster Park which is on the shores of Lake Ontario. I will be operating from my truck from 1800 to 2400 UTC.

GL es hpe to work y'all!

73,

Tom kv2x

Date: Wed, 26 Apr 2000 22:48:40 -0500

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: <fifiold@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [68778] Re: SMK-1 parts

Message-ID: <001201bfaffb\$7c2f7400\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Besides, isn't Styrofoam prone to static buildup? I'd think that would be the last place you'd want to store sensitive components.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
 e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle
SOC#198
"Ancient Pistol, I do partly understand your meaning."

-----Original Message-----
From: Dave Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, April 26, 2000 10:06 PM
Subject: Re: SMK-1 parts

>John,
>
>For the SMK-1 kit, we don't recommend doing that! We recommend only
>opening one component compartment at a time - it's real easy to get
>those tiny parts mixed up and some of them don't have any markings
>on them at all!
>
>Cheers,
>Dave Fifield, AD6A
>
>----- Original Message -----
>From: John Nall <nally@talstar.com>
>Subject: Re: SMK-1 parts
>
>> I've found that a styerfoam (sp?) egg carton is awfully handy for
building
>> kits. The little egg-containers hold small parts such as transistors,
>> pots,
>> screws, etc., while resistors and diodes can be easily stuck into the
>foam.
>>
>> John
>
>

Date: Wed, 26 Apr 2000 21:53:48 -0400
From: "Terres Family" <terresfm@ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68779] SMK-1 re building, longish
Message-ID: <004901bfafefb\$6f786600\$3781f3ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

built #24 last night, passed the smoke test but have not had a chance to try it with an antenna. almost lost a couple of parts but was lucky. i am nearsighted and used to be able to see upclose really well but presbyopia has struck and now using a magnifier is a must (cheapest stongest generic reading glasses I could find). hardest part is handling the little pieces. the sub baggie system worked well. getting them out of the little compartments on the chunks of reel tape took a little doing. I have a fairly good size pad of conductive foam and found that by dumping the sub baggie content onto the foam (from a very low height) that they seemed to bounce about less than dumping onto a hard surface. some times i would hold down a piece with a toothpick to facilitate grabbing it with tweezers. started to solder one part into the wrong spot but caught it. consider: rechecking what you are doing each time before you solder the second end.

it would be nice if the list of where things go was in the same order as the order of placement rather than jumping up and down the list.

i had built a "jig" to solder surface mount parts for the smite kit. board, block, clothespin and nail all held together with 5 minute epoxy. after the very first part i went to using the jig for all my soldering (except the round diodes and the really big parts). with a jig you have two hands to solder with, one to hold the iron and one to hold the solder. you don't have to pretin the first pad so that you can tack the part down. because you didn't pretin the pad the part lays flat on the pad. its awkward to describe with words but i'll try. i held the end of the solder in the inside corner where the end of the part meets the pad and the pushed the tip of the iron onto the solder into that inside corner and then pulled out. poof, in one stroke the first end is soldered. solder the second end at your leisure, with or without the jig. it is a little tricky getting the part in the right spot on the pcboard and the pcboard in the right spot on the jig so that the nail comes down on the part and holds it in place. you kind of have to do three things at once with two hands. i would hold the part with tweezers until the nail is settled. otherwise if you are off center the nail can flip the part out into the distance.

i did use radioshack 2% silver solder. did not use any extra flux except for stuff like soldering the ground wire to the crystal case. i think extra flux

is a big help with that. on the ic's i used some 0.01" solder that i have, incredibly small, kinda like those legs on the ic's. took me a while to figure out what was ment buy "bevel". iron was an edsyn, temp controlled, with a small tip.

i might re mount the torroid.

so when do the case kits ship??

73/72

jerry aa1of

franconia nh

Date: Wed, 26 Apr 2000 23:00:06 -0500
From: "Jackowiak" <jackowiak@kearney.net>
To: "Messages QRP-L" <qrp-l@lehigh.EDU>
Subject: [68780] Re: Alinco DX-77T QSK?
Message-ID: <000301bfaffd\$16870f80\$45fda2d0@123>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have used the Alinco DX-77T for over a year now and find it to be an excellent rig. Setting the internal power switch and selecting low power takes you down to around 5 watts out. Yes, the relay noise is noticeable. Being used to the HW-8, I operate in semi break-in mode. You can select from Auto break-in, Semi break-in (selectable in 7 steps), and Full break-in.

My one complaint is the extensive use of function keys, for instance, to change keying speed you need to press the function key, press and hold function key again for 1 second then press the Tune key to select the speed option, then make your change using up/down keys.

All and all, considering the price for an all mode, all band HF rig I am very happy with the purchase!

72's Bob, AB0EQ

Date: Wed, 26 Apr 2000 22:07:05 -0600
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: w6abc@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68781] Re: Which DSW kit to buy?
Message-ID: <3907BCE9.132A5DD9@agt.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jack, I've got my DSW-20 up and running and LOVE it. Have a DSW-40 which I've got to solder up and am going to buy the DSW-80 soon. So, I can't say which is "better", but I can say that based on the quality of the DSW-20 I have equally high expectations for the 40 and 80.

I doubt that you'd be disappointed with any of Dave's rigs.

Cheers

Karl B. Staddon
VE6KBS, CALGARY, AB

ABCQRP wrote:

> Hi, I've decided to add one of the DSW "Small Wonder"
> rigs to the QRP stable (I like the blue case). I
> already have the K2 and a "Redhot" NC-20. I was
> wondering which one of the DSW kits to build next.
> Since I have a 20 meter rig with the NC-20 that leaves
> 80-40 and 30 meters as a choice in the DSW line. I
> would use it mostly for take along when travelling.
> Anyone have experience with this radio? Oh, and yes,
> I am going to tackle the SMT kit too.
> Thanks,
> Jack W6ABC
>
> -----
> Do You Yahoo!?
> Send online invitations with Yahoo! Invites.
> <http://invites.yahoo.com>

Date: Wed, 26 Apr 2000 22:06:23 -0600
From: Niel Skousen <skousen@srv.net>
To: qrp-l@lehigh.edu
Subject: [68782] Status: Bob WA2HOQrp
Message-ID: <f04310101b52d6c56d8e3@[12.7.223.134]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hi all, I spoke with Bob tonite. He's finally gotten some sort of definitive word on what he's struggling with. An MRI found and infection in the lower brain / brain stem - He called it Mastoriatitis (sp??) and is on antibiotics for it. He was in good spirits, all things considered.

He's been really appreciative of the supporting notes and all from the list. Thanks everybody from Bob !!

Good luck, all es g'nite

Niel

--

Niel Skousen : WA7SSA skousen@srv.net
Idaho Falls, ID QRP-L.119 fr DN33wm

Date: Wed, 26 Apr 2000 23:27:40 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [68783] Re: FOX: Summer fox?
Message-ID: <Pine.LNX.3.96.1000426232213.8203A-1000000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I apologize if this has already been addressed - I receive the digest so haven't seen group postings since my query.

A couple people have responded to me directly indicating that, at best, the rumour says it will be a 20m hunt. I guess I was inquiring about the SMiTe Fox Hunt announced a couple days ago... that rig is rock bound at 80m isn't it? 'course I don't really know for sure, hence my asking ;)

Who's to complain if there are TWO independent hunts tho' :-))))

I think I might order the 80m module for the Sierra just to be safe!

72's

Rohn, NØRTX

Date: Wed, 26 Apr 2000 23:33:59 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: wd3p@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [68784] Re: Attenuators
Message-ID: <Pine.LNX.3.96.1000426232833.8203B-1000000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I have been using a Ten Tec 290 attenuator - it cuts 5 watts down to 20
> mWatts in six steps. It does better if you start with a lower power. I

Thanks... I had been looking for one of those, but they seem to get
snatched up rather quickly this solar cycle!

I think I'll try using the circuits in "Solid State Design..." to homebrew
one, and the enclosure from FarCircuits.
Just out of curiosity though... does anyone know if the MFJ762 (I think
762?) attenuator can deal with transmit at QRP levels?

72's
Rohn, NØRTX

Date: Wed, 26 Apr 2000 23:42:31 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: qrp-1@lehigh.edu
Subject: [68785] Re: SMK-1: Flux needed?
Message-ID: <Pine.LNX.3.96.1000426233744.8234A-100000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Apr 2000, I wrote:

> I don't really expect lifelong, fulltime use out of this kit so should I

Just to be clear... I meant *NO* disrespect with this statement and I
FULLY appreciate the work, time, effort, etc that the individuals have
put into this, prior, and future projects. I was only basing this comment
on what Doug had said "disclaiming" this kit's performance as not a super
performer. I understand this to be a practice kit, and am walking toward
it with that in mind, and will cherish it for that...

'course I do expect to make a few contacts with it! ;)

72's
Rohn, NØRTX

Date: Thu, 27 Apr 2000 00:31:44 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: rohn@pubrats.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68786] Re: FOX: Summer fox?
Message-ID: <3907C2B0.66EE0C37@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

There will be a summer SMiTe hunt, and it will be on 80 meters.
3.6864 MHz to be exact.

Rohn wrote:

>
> The summer fox hunt that was mentioned... that'll be on 80 meters, yes?
> Just makin' sure I'm ready when they say "GO!" ;-)
>
> 72's
> Rohn, NØRTX

--

73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Wed, 26 Apr 2000 22:15:12 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: K3GM <k3gm@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68787] Re: Speaking of melted solder.....
Message-ID: <Pine.GS0.4.10.10004262210380.24503-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Apr 2000, K3GM wrote:

> did I ever tell you how as a kid I never left the dentist's office without a
> vial of mercury to play with..... ;)

Hehehe,

I spent most of grade school running around with mercury in
my pocket to keep my coins shinning!

(For you young pups out there, most coins used to have lots of silver in them and the mercury would make them shine like brand new!)

Melted lots of solder too.....and lead for fishing weights and bullets.....raced motorcycles a bit.....and a hand full of other things. (Still do some of the above!)

And I just passed my first full check up since getting out of the Army in 1958 with flying colors.

I'll never believe that a little common sense won't get a person by!

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>.....

Date: Wed, 26 Apr 2000 22:34:49 -0700
From: Tom Bessler <tbessler@OregonVOS.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68788] knife switches
Message-ID: <v04210101b52d819f5658@[192.168.76.11]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Anyone know a source for a double knife switch so I can ground my feed-line during thunderstorms?

T.I.A.

Tom, WB7WSF

Date: Thu, 27 Apr 2000 01:50:49 -0400
From: "Jim Barrett - KC2DCC" <jbarrett@stny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [68789] Re: QRP in the summer
Message-ID: <002b01bfb00c\$8ab9ed00\$1c335e18@stny.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Mike Gipe" <mgipe@reliablemeters.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, April 26, 2000 7:28 PM
Subject: QRP in the summer

> What did surprise me was that the whole yard had blossomed. The Japanese
> maples were vibrant red, burgundy, and lime green. The dogwoods were a
> beautiful waxy white and pink.

Dogwoods in bloom are very attractive indeed, but the constant barking keeps
me awake at night...

Jim - KC2DCC

Date: Thu, 27 Apr 2000 00:43:52 -0700
From: "Dave K7PRZ" <k7prz@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [68790] QRP at Dayton?
Message-ID: <003f01bfb01c\$561d5900\$18391c26@dave>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

I have not been to the Dayton hamfest for over 5 years and
wonder what QRP activity, booths, meetings, or whatever=20
might be there during this year's hamfest.

I'm active in 10-10 and will be hanging out with other=20
certificate chasers in the Cafeteria. If you see me, grab
me and say hi.

73,
Dave
k7prz@earthlink.net

Date: Thu, 27 Apr 2000 07:44:00 EDT
From: Wa3ptg@aol.com
To: dodgeboy@mindspring.com, qrp-1@lehigh.edu
Subject: [68791] Re: Cheaper 2n3553's
Message-ID: <77.35c1e93.26398200@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 4/26/00 10:34:12 PM Eastern Daylight Time,
dodgeboy@mindspring.com writes:

> OK, we've got miles per watt. Now we have watts per dollar? :^)

> Dave K8TRF

>

Yup!

There's no doubt that the 2N3553 is a great part. But if that 1.5 watts can
be had from a cheaper part, why not use 'em? The answer is that people stick
with what has worked in the past. Whoever heard of the 2SC2166 20 years ago?

72 DE WA3PTG,
Harry (Hap) Hurst NJQRP-EPAQRP
Wilmington DE QRP-L #1464

Date: Thu, 27 Apr 2000 08:04:04 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68792] finding old callsign
Message-ID: <003e01bfb059\$d76d36a0\$88ab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm wondering if anyone has access to a 1977 Callbook. I was first licensed
in 1976 and assume callsign would show up in the 1977 callbook. If anyone
has a '77 callbook please get in touch with me via email and maybe we can
work something out.

Thanks,
Mark Paley--KF8KL--

K2 #250
mpaley@wcnet.org
<http://www.wcnet.org/~mpaley>

Date: Thu, 27 Apr 2000 08:13:12 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <AD6EZ@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [68793] RE: ARRL Site
Message-ID: <000001bfb04a\$58aceea0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It all has to do with your local ISP's DNS (name server). It takes some time for the name correction to propagate from the ARRL name server to your local one.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> AD6EZ@aol.com
> Sent: Wednesday, April 26, 2000 8:21 PM
> To: Low Power Amateur Radio Discussion
> Subject: ARRL Site
>
>
> Tnx All -
>
> I got several responses telling me that the ARRL site was
> back on line.
> Well, just about 10 minutes before I got my first reply the site was
> unreachable from Goleta, CA. Ten minutes later it was just
> fine - go figure!
> Thx to all who replied, you were all very kind.
>
> 73 es God Bless de Denny AD6EZ <><
> Goleta, CA

>

Date: Thu, 27 Apr 2000 09:33:27 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: qrp-1@Lehigh.EDU
Cc: "John P. Cummins, Sr." <jpcummins@worldnet.att.net>, Tom Dooley
<tdooley@atl.mediaone.net>, Karl Phillips <kphill05@lanier.com>
Subject: [68794] QRPTTF: NQ4RP/MM
Message-ID: <390841A6.B4342809@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The North Georgia QRP Club (NOGA QRP) will be active under our club
call, NQ4RP/MM from Lake Lanier, GA. Pontoon boat with SLV, dipoles,
etc. Does a long wire out to the shore still count as /MM?

Main rig will K2 (Index as backup). We're also hoping to play with a
few of the "trail friendlies" (DSW-20, Cub-20, SMK-1 40, NC20, etc.) on
the side. Y'all be sure to listen DOWN on 40 for those SMK-1's, OK?

72 DE Mike, K04WX

Mike Boatright, K04WX
Assistant Section Emergency Coordinator,
GA Section Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Thu, 27 Apr 2000 09:51:42 EDT
From: K7GT@aol.com
To: qrp-1@lehigh.edu
Subject: [68795] Re: Cheaper 2n3553's
Message-ID: <1e.47377e5.26399fee@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Is anyone interested in some sort of group buy from RF Parts for those
2SC2166s? As I recall from my last order from them, there is something about

a \$25 minimum order (BTW: that order was for MRF237s, long extinct apparently now).

Another part one might want to consider is the 2SC1969. A bit beefier and in a T0220 case, but it works fine in the NC20/RH40s and in the K2... Price is in the \$3 range.

If I get at least 4 others, I will manage a group purchase.

73 all

K7GT Pleasanton CA
Allan

Date: Thu, 27 Apr 2000 09:55:57 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <K7GT@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68796] Re: Cheaper 2n3553's
Message-ID: <002b01bfb069\$777871a0\$1a1f1c3f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: K7GT@aol.com <K7GT@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, April 27, 2000 6:54 AM
Subject: Re: Cheaper 2n3553's

>Is anyone interested in some sort of group buy from RF Parts for those
>2SC2166s? ...>
>Another part one might want to consider is the 2SC1969. A bit beefier and
>in a
>T0220 case, but it works fine in the NC20/RH40s and in the K2... Price is
>in
>the
>\$3 range.

Grant- the 2SC2166 is in a T0-220 package. Another good (and even cheaper) candidate, although also a T0-220, is the 2SC2078.

73- Dave Benson, NN1G

Date: Thu, 27 Apr 2000 07:08:38 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [68797] K2 Glitch?
Message-ID: <390849E6.BBEF836E@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, I've built a lot of these K2's and
have seen an interesting problem.

This is SSB related.

It happens when operating CW mode and I wish
to ENTER "TEST" mode. (Tap and HOLD) key 1.

Invariably at times, I don't hold long enough
or the mode goes to Lower or Upper Side band
and I THEN ENTER VOX, accidentally, by holding
down key 1.

Then I see I'm in LSB or USB and click back
to CW, not knowing it is in VOX mode, and
upon returning to CW mode, the rig sidetone
comes on and STAYS ON... Forever..... Until
you cycle power to the rig. I've seen this
on 1.04d rev control chip and 1.04c chip and
untested on the others...

Anyone know what is going on?????

NOT a show stopper, just a little hayfever.
-Ed TIA.

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Thu, 27 Apr 2000 10:19:32 -0400
From: "Mitchell, Jon" <jon.mitchell@appnet.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Cc: "'jmitch@boo.net'" <jmitch@boo.net>
Subject: [68798] QRPTTF 2000!
Message-ID: <2CD629CB1B9AD311BB5F009027AC8DFC0191E241@cen3.cen.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

My friend Ken, N3FZX, and I will be somewhere in Maryland near water for QRPTTF (we still haven't decided exactly where yet).

Ken is a Tech+ so I am hoping that there will be some activity in the Novice area of the bands. Ken just completed his 40m kit and is eager to get in on the contest fun.

I'll be using a K2 with a 300 ohm twinlead folded dipole that I used for the Flight of the Bumblebees. Hope to hear you on the bands! (I also hope the predicted rain clears out early!)

-- Jon

Jon Mitchell KD3FG
<http://www.qsl.net/kd3fg>

Date: Thu, 27 Apr 2000 10:27:56 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68799] Re: K2 Glitch?
Message-ID: <002001bfb054\$cecac580\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed,

I ended up in this 'tone mode lockup' kind of thing once and didn't know how I did it. I'm not sure it's the same as yours, and I'm not sure I could even describe how I did it, let alone actually duplicate it again.

However, I have noticed that there can be some 'bounce' on

the switches at times. I didn't (and still don't) think it's an issue. Sure, it could be a little better, but on the other hand I'm looking at it more along the line that I'm getting 'familiar' with the rig, and tending to get a bit 'lazy' in how I press the buttons as the familiarity level goes up.

Mike

----- Original Message -----

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, April 27, 2000 10:08 AM

Subject: K2 Glitch?

> Gang, I've built a lot of these K2's and
> have seen an interesting problem.
>
> This is SSB related.
>
> It happens when operating CW mode and I wish
> to ENTER "TEST" mode. (Tap and HOLD) key 1.
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> or the mode goes to Lower or Upper Side band
> and I THEN ENTER VOX, accidentally, by holding
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> Then I see I'm in LSB or USB and click back
> to CW, not knowing it is in VOX mode, and
> upon returning to CW mode, the rig sidetone
> comes on and STAYS ON... Forever..... Until
> you cycle power to the rig. I've seen this
> on 1.04d rev control chip and 1.04c chip and
> untested on the others...
>
> Anyone know what is going on?????
>
> NOT a show stopper, just a little hayfever.
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> --
> 72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
> <http://www.qsl.net/we6w> Santa Rosa, CA
> My 2 pennies worth is just common cents.
>

Date: Thu, 27 Apr 2000 10:40:37 EDT
From: K5KW@aol.com
To: qrp-1@lehigh.edu
Subject: [68800] Transistor Substitution
Message-ID: <c.45f15cb.2639ab65@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I've been reading with interest the listing here of various power transistors that are currently in use.

NTE's transistor cross reference lists their NTE 236 as a direct replacement for both the 2SC1969 and the 2SC2166, and the NTE 235 as a direct replacement for the 2SC2078. Even the venerable old MRF237 has a listed replacement in the NTE341. The NTE transistors mentioned are in the current Mouser catalog, and presumably are available.

I have a question for the two Daves of RH and DSW fame, or others who are similarly knowledgeable. Are these substitute transistors really a "direct" replacement, and equal in every important way to the original specified transistor?

My apologies if this topic has been covered previously.

72,

Don, K5KW

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart of the Morris-Boynton metroplex of east central Oklahoma, where every day is a sunny day".

Date: Thu, 27 Apr 2000 10:52:31 -0400
From: "Thom Durfee" <wi8w@arrrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [68801] Re: QRP at Dayton?
Message-ID: <000301bfb058\$37e18380\$7b700a0a@usxchange.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you want to find out what is happening with QRP at Dayton, go to the QRPARCI website at <http://www.qrparci.org> and click on the FDIM at Dayton link.

Lot of stuff going on. I will be helping out at the QRPARCI booth at the Hamvention on Friday and Saturday so stop on by and say hi.

Thom WI8W

Date: Thu, 27 Apr 2000 09:57:05 -0500 (CDT)
From: Joe Smith <joe@joesmith.net>
To: qrp-l@lehigh.EDU
Subject: [68802] QRP banquet
Message-ID: <Pine.LNX.4.10.10004270956130.4254-100000@nikola.joesmith.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can someone please email me direct with ticket information on the QRP banquet/dinner at Dayton?

72, W0J0E

Date: Thu, 27 Apr 2000 17:55:11 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: K5KW@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68803] Re: Transistor Substitution
Message-ID: <390854CF.F57@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

K5KW@aol.com wrote:

>
> I've been reading with interest the listing here of
> various power transistors that are currently in use.
>
> NTE's transistor cross reference lists their NTE 236
> as a direct replacement for both the 2SC1969 and the
> 2SC2166, and the NTE 235 as a direct replacement
> for the 2SC2078. Even the venerable old MRF237 has

> a listed replacement in the NTE341. The NTE transistors
> mentioned are in the current Mouser catalog, and
> presumably are available.

One more bit of PA device substitution info:

If for some reason you want to stick to T0-39 transistor outlines and consider using an MRF237 where a 2N3553 was intended (different pin-out!), you might do better using a 2SC1947, which has the same pin-out and T0-39 case - drop in - as the 2N3553, but is electrically equivalent to the MRF237 (AFAIK).

73,

--

Arjen Raateland
OH2ZAZ

Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Thu, 27 Apr 2000 11:04:12 -0400
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [68804] CONTEST: QRP Calendar - This Weekend
Message-ID: <3.0.6.32.20000427110412.007de380@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR  
April 29-30, 2000  
May 1-2, 2000  
~~~~~

QRP To The Field (CW) ...QRP Contest!!

Apr 29 - 1500z - 2400z (Pick any 6 hours)

Rules:

<http://www.fix.net/~jparkner/norcal/contest/qrppttf2000/qrppttfrules.html>

~~~~~  
Helvetia Contest (CW/SSB) (Swiss) ...QRP Category

Apr 29 - 1300z to Apr 30-1300z

Rules: <http://home.sol.no/~jana1me/htmlrules/h26.html>

~~~~~

Florida QSO Party (CW/Phone) ...QRP Category

Apr 29 - 1600z to Apr30 - 0159z and
Apr 30 - 1200z to 2159z

Rules: <http://www.qsl.net/fqp/rules.htm>

~~~~~

Nebraska QSO Party (CW/SSB)

Apr 29 - 1700z to Apr 30 - 1700z

Rules: <http://www.qsl.net/hdxa/neqso/neqso.htm>

~~~~~

Ontario QSO Party (CW/SSB) ... QRP Category

Apr 29 - 1800z to Apr 30 - 1800x

Rules: <http://www.odxa.on.ca/oqprules.html>

~~~~~

AGCW DL QRP Party (CW) (European only)... QRP Contest!

May 1 -1300z to 1900z

Rules: <http://home.sol.no/~jana1me/htmlrules/agcwmay.html>

~~~~~

Adventure Radio Spartan Sprint (CW) ... QRP Contest!

May 2 - 0100z to 0300z

Rules: http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html

~~~~~

LATER.....

~~~~~  
MARAC County Hunters Contest (CW/SSB)

May 6 - 0000z to May 7 - 2400z

Rules: <http://home.sol.no/~jana1me/htmlrules/marac.html>

~~~~~  
Ten-Ten International Spring QSO Party (CW) ... QRP Category

May 6 - 0001z to May 7 - 2400z

Rules: <http://listserv.lehigh.edu/lists/tenten-1/rules.html>

~~~~~  
Indiana QSO Party

May 6 - 1400z to May 7 - 2300z

Rules: <http://home.sol.no/~jana1me/htmlrules/qsosin.html>

~~~~~  
Massachusetts QSO Party (All)

May 6 - 1800z to May 7 - 0400z and  
May 7 - 1100z to May 7 - 2100z

Rules: <http://www.qsl.net/fara/qsoparty/maqsorules.html>

~~~~~  
Connecticut QSO Party (Phone/CW/RTTY) ... QRP Category

May 6 - 2000z to May 7 - 0400z
May 7 - 1200z to May 7 - 2000z

Rules: <http://home.sol.no/~jana1me/rules/qsoc.txt>
http://www.danbury.org/cara/CT_QSO_Party.html

~~~~~  
ARI International DX Contest (Italian) (CW/SSB/RTTY)

(Free logging software)

May 6 - 2000z to May 7 - 2000z

Rules: [http://www.kkn.net/~i2uiy/ARI\\_rul\\_dx.html](http://www.kkn.net/~i2uiy/ARI_rul_dx.html)

~~~~~

72 de	~~~QRP Contest Calendar~~~
Ken Newman - N2CQ	http://www.njqrp.org/data/contesting.html
Woodbury, NJ	
N2CQ@ARRL.NET	~~~WQ2RP NJQRP Club Station~~~

Date: Thu, 27 Apr 2000 10:08:00 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [68805] out...
Message-ID: <000001bfb05a\$61c35640\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ladies, Gentleman, and whoever else is listening, I'm gone for a while,
surgery.

73/72

Kevin, WB5RUE

Date: Thu, 27 Apr 2000 08:12:03 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68806] Re: Part help
Message-ID: <Pine.GS0.4.10.10004270810450.27087-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Thanks to all who responded.

I've got the info I need.

FANTASTIC bunch of people here on this list!

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Thu, 27 Apr 2000 11:17:07 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68807] old callsign
Message-ID: <000d01bfb074\$cd2f7e80\$42ab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For all of you who have responded in trying to help me find my old callsign, thanks a lot. I have sent a note to the QCWA for some help as I believe they might have the information. I'm trying to find the callsign so that in the coming year I think I will be able to join the QCWA.

Thanks again,
Mark Paley--KF8KL--

K2 #250
mpaley@wcnet.org
<http://www.wcnet.org/~mpaley>

Date: Thu, 27 Apr 2000 09:36:19 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: we6w@qsl.net
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [68808] Re: K2 Glitch?
Message-ID: <39086C83.A1503A04@elecraft.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed,

I tried to replicate your observation on my K2 running 1.04D without any success. I was never able to get it into a mode where the sidetone locked on.

Can you give me some more details on how you stimulated the symptom? (Please reply directly to me so we can keep the QRP-L volume reasonable.)

73, Eric

--

<http://www.elecrafter.com>

Date: Thu, 27 Apr 2000 11:47:27 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <mpaley@wcnet.org>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [68809] RE: old callsign
Message-ID: <000301bfb068\$460cbaf0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got this from the ARRL back when I was looking to join the OTC.

Dear Kevin,

The only way to find out when you were first licensed is to contact the International Transcription Service (ITS, Inc.). For a fee, they will research the information you request. They are located in the FCC, Room 246, 1919 M Street, N.W. and Gettysburg, PA at 1270 Fairfield Road. (717) 337-1433.

Their corporate address is:
2100 M Street, N.W. Suite 140,
Washington, DC 20037
(202) 857-3800.

With best 73,

Eileen Sapko

ARRL Awards Manager

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Mark Paley

> Sent: Thursday, April 27, 2000 1:17 PM

> To: Low Power Amateur Radio Discussion

> Subject: old callsign

>

>

> For all of you who have responded in trying to help me find

> my old callsign,

> thanks a lot. I have sent a note to the QCWA for some help as

> I believe they

> might have the information. I'm trying to find the callsign

> so that in the

> coming year I think I will be able to join the QCWA.

> Thanks again,

> Mark Paley--KF8KL--

>

> K2 #250

> mpaley@wcnet.org

> <http://www.wcnet.org/~mpaley>

>

>

>

Date: Thu, 27 Apr 2000 11:43:08 -0500

From: "David Bixler" <DBixler@co.seneca.k12.mo.us>

To: qrp-1@Lehigh.EDU

Subject: [68810] QRPTTF Lightning Caution

Message-ID: <200004271650.LAA16169@mailrelayformercurymailsites.more.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hello folks:

I was talking to my big brother (W8BJM) the other night on SSB and discussed Saturday's QRPTTF plans. He is an active boater on Lake Erie and teaches boating safety courses for the Power Squadron.

He cautioned that being out in the open water in a boat with an

antenna mast sticking up during lightning season is sometimes not healthy. Just use some common sense out there Saturday and don't become the fusible link between the antenna and the water!

My plans are to be /MM if the weather is decent and /WT if it is not.

See you on Saturday, probably a lot on 20 meters and occasionally on 40. Let's have fun and be safe.

72,

Dave

David Bixler W0CH VK2IQX ZL/W0CH
Seneca Missouri QRP-L # 618
<http://www.qsl.net/w0ch>

QRP: Minimum power, maximum fun

Date: Thu, 27 Apr 2000 09:52:06 -0700
From: Tom Bessler <tbessler@OregonVOS.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68811] knife switches
Message-ID: <v04210106b52e20143a19@[192.168.76.2]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Many thanks to all who responded to my query about knife switches. Someone had one that I've agreed to buy and several others gave me possible commercial sources. I now have enough info for the present!

Thanks to one and all! What a great list!

Tom, WB7WSF

Date: Thu, 27 Apr 2000 12:54:43 -0400
From: david.sarrafa@thermacore.com
To: qrp-l@lehigh.edu
Subject: [68812] Solder Pot
Message-ID: <852568CE.005CDC33.00@tci-nt02.thermacore.com>
Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii

Marshall:

We use lots of solder pots at work. We use a large wooden tongue depressor to skim the dross. Low tech method but excellent results.

BTW, each solder pot also stands in front of a portable filtered ventilator. According to our safety person, the flux fumes are worse for you (and surrounding equipment) than the lead fumes. This is evident from the condition of the vent hoses and fans. An old gunsmith trick is to leave the dross in the pot until you are ready to use it. Better yet, float a layer of crumbled graphite on the top of the pot. This helps to reduce oxidation and dross buildup. It can also reduce the amount of lead vapors by serving as a movable lid over the pot. The charcoal will readily push aside when you insert whatever you are solder dipping, and since solder doesn't wet graphite it won't stick to the workpiece when you pull it back out.

Just what are you dipping? Hopefully not keyer chips.....

Dave Sarraf

Date: Thu, 27 Apr 2000 13:33:19 -0400
From: david.sarraf@thermacore.com
To: "Randy Randall" <RANDALLR@Healthall.com>
Cc: qrp-1@lehigh.edu
Subject: [68813] Re: Solder Pot
Message-ID: <852568CE.005F7FC4.00@tci-nt02.thermacore.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Randy:

Where do I get graphite? I cheat; we use graphite at work for molds and furnace trays, so it is not a big deal to find an old one and break it up. Barbecue charcoal should work well, as would old stubs of artists pencils. I got a can of graphite flour years ago from an automotive shop. That may work but it will make quite a mess and may stick to the wires just because it is so fine. You may ask around at a local machine shop for some scrap parts or bar ends. They often machine solid graphite parts for the urethane mold or furnace fixture industry.

Solder pots also work well for soldering stainless steel parts. You need

to use the liquid or acid flux to cut the oxide, however it burns off in a direct flame. Apply flux, dip the part into the solder pot, and the part is nicely tinned. Then it can be soldered with a torch with no danger of burning the flux. We had a little "solder pot" that we made out of a 1" copper pipe cap with a pipe clamp to hold the handle. The solder melts in just a minute or so of heating with a torch and stays liquid for many minutes. Its quicker to use and easier to store than an electric pot and is much easier to come by if you don't already have a solder pot.

I may resurrect it for tinning leads and burning enamel from toroids. It would sure beat scraping and make less mess on my soldering iron.

Dave Sarraf

Date: Thu, 27 Apr 2000 07:43:30 -0600
From: wb5qyt@eFortress.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68814] MX-7 info pse
Message-ID: <39084402.5D20@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I need the xtal information so I can put my MX-7 in the 7.000 to 7.060 range. Anyone have this information I would appreciate it...Thanks,

Tom WB5QYT...."Have spud will travel!"

Date: Thu, 27 Apr 2000 11:25:19 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [68815] Dummy Load
Message-ID: <20000427182519.75375.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Has anyone ever heard of or considered using a couple of electrodes in a salt water bath as a dummy load? With the right tweeking of salt concentration and electrode size one should be able to get the desired load

and it would presumably be non-reactive if the electrodes were not too close.

What do you think?

Brad

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 27 Apr 2000 11:44:31 -0700
From: "Ron Giuntini" <rong@slip.net>
To: <alihernlem@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68816] Re: Dummy Load
Message-ID: <000501bfb078\$a0e094a0\$d6b007d8@rongiuntini>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why would you want to do this? What is the advantage over other dummy loads?

----- Original Message -----

From: Brad Hernlem <alihernlem@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, April 27, 2000 11:25 AM
Subject: Dummy Load

> Has anyone ever heard of or considered using a couple of electrodes in a
> salt water bath as a dummy load? With the right tweeking of salt
> concentration and electrode size one should be able to get the desired
load

> and it would presumably be non-reactive if the electrodes were not too
> close.

>

> What do you think?

>

> Brad

>

> -----
> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

>

>

Date: Thu, 27 Apr 2000 11:42:36 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [68817] Re:K2 Glitch
Message-ID: <39088A1C.76271082@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, I have sent Eric a procedure
to duplicate the problem 100% of
the time.

Regards, Ed.

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Thu, 27 Apr 2000 13:10:01 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [68818] Based-Loaded Vertical Theory Questions (semi-long)
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F02BE5D5F@hq-expo2.filenet.com>

Who was it said, "I go through more rolls of solder than I do logbooks"?

Not content to leave things as they are, I recently tore down a perfectly
good Cushcraft 4010 40-10 meter trap vertical so I could build a base loaded
vertical in its place.

Why?

Several reasons, really. I am afraid only one of them approaches
rationality:

- (1) Wanted to add the WARC bands.
- (2) Was in a "CC&R" zone and wanted to build an antenna that could be put up
taken down easily.
- (3) Wanted to experiment and learn (my main motivation).

Well, after reading all of the theory -- but not absorbing much, I am afraid -- I built a 16-foot vertical from three sections of swaged, tapered aluminum. I had a neat coil -- Air Dux, 2.5 inches diameter, 12 inches long, and about 5 tpi that I used for a loading coil. The ground system was no gerat shakes -- about four radials and a connection to the copper pipe system running around my house. Given the space constraints, I am maxed out for radials. This configuration was, however, satisfactory for the 4010. Anyway, you get the picture.

The scenario is this: I am only able to resonate the antenna on 40 and 80. The former requires a tap approximately 1.5 inches from the top of the coil (i.e., a 1.5 inch coil); the latter requires a tap almost at the bottom of the coil. The VSWR in both cases is no less than 2:1 at best. There are no other resonant frequencies that I could readily observe.

My question is this: How could I take what I have done so far and build an antenna that works reasonably, exhibits a decent VSWR (not related to the previous requirement, I realize), and -- most importantly -- learn from this so I can apply my understanding to future situations.

The above is purposely over-simplified; references, examples, theory, and suggestions are most welcome as are brickbats, flames, and tirades so long as they further my understanding of the principles involved.

My thanks in advance,

Bill, K6whp

Date: Thu, 27 Apr 2000 13:16:15 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@onelist.com>
Subject: [68819] New K2 Manual
Message-ID: <3908A00F.1F5F6DFA@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We've just posted the new version of the K2 manual (REV C) at
http://www.elecraft.com/K2_Manual_Download_Page.htm

72, Eric

--

<http://www.elecraft.com>

Date: Thu, 27 Apr 2000 16:45:09 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ae4ic@nr.infi.net" <ae4ic@nr.infi.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [68820] Re: FOX: Summer fox?
Message-ID: <200004271647_MC2-A2F1-706B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Bob:

Thanks for the note of clarification and amplification. Guess there really
are two different events in the mix. I have also heard something about
some special events from the TT-2 guys, etc. The good news is that we
QRPers will have several opportunities to try out our wings during the
summer months.

GL and look for you on the bands.

72/73,
--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail = K0EVZ@arrl.net

Date: Thu, 27 Apr 2000 21:43:57 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [68821] QRPTTF postponed & the Acrylic Alphabet
Message-ID: <20000427.214402.-239787.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Comrades,

It's hard for me to believe that somewhen in 1977 I sent a letter to the

Tsentralnyi radioklub SSSR im E. T. Krenkelya, Postobyyi yashchik #88, Moskva asking for the corresponding CW letters to the Cyrillic alphabet (hereafter known, because of a case of quasi-spoonerisms, as the Acrylic alphabet). But I did.

And today, while looking for a photo of a distant relative's mother which just happened to fall in my possession, I found the letter that I received from the Tsentralnyi radioklyb SSSR im E. T. Krenkelya in reply to my question.

Think of it this way: In 1977 the Organs of State Security still held early morning shake downs of suspected counterrevolutionary, anti-party, people's enemies. Yuri Andropov probably shook hands with the Organs who did this stuff for a living. Now, 23 years later, the CQ MIR contest means something completely different. Some of the oblasts that existed then are quasi-independant countries now. I have a card from a guy in Kyrghizia from around that time. Now that place is called Kyrghizstan and the people there are thinking of changing the alphabet with which they were forced to write their Altaic language into the Roman alphabet, like Turkish, to which their language is very closely related.

Heck, in 1977 I think that kids who wanted to become ham radio operators had to spend time just listening & copying CW. They had to be members in good standing of the Youth Pioneers. And we won't even go into the levels of security that we're talking about here. Reading about the Stalinist purges is enough to make me wince just thinking of the questions that the Organs would ask you.

And the letter? It's addressed to Gospodin Yang. Not tovarish. Not compatriot or colleague, but to "Mister" Young.

Twenty three years. How many of us remember seeing all those "Solidarnosc" t-shirts at a Hamvention not too long ago? One brief spark in the darkness before the fires break out all around. A friend of mine just got back from 2 weeks in Germany. Pictures of the Brandenburg Gate. The wall is gone. If I were standing there right now, I'd probably be in tears.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>

"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"

-- Comrade Nikolai Sergeievich

McTovarishov, 19 Oct 1917

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 27 Apr 2000 15:01:19 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [68822] Contest: QRP to the Field Operation for K1MG, AD6A, AK1P, KI6DS
Message-ID: <20000427220119.7299.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys, Mike Gipe, Dave Fifield, Paul Maciel and I plan to operate from Sunset Beach near Watsonville. We will have a beautiful view of the Monterey Bay, and I am really excited about the opportunity to operate with 3 of my qrp buddies. Plus, the site is beautiful (blondes, bruenettes, redheads, all in bikinis, grin). Remember if you are working me and I am having trouble copying you it may be because of the bikini factor, very big grin. (Don't tell JoAnne about this one, guys.)

We plan on getting on the air by 10 AM local time, so listen for K1MG, KI6DS, AD6A and AK1P. We will have all sorts of radios and antennas, and plan on having a huge bunch of fun.

My one regret is that for the first time in years I won't be with my old buddy, Paul Harden, NA5N. Paul, it will probably be harder to work you and Jan this year, but I bet we can do it.

Sure is gonna be nice to get out in the sunshine and operate qrp. A welcome respite from kitting SMK-1's grin. One thing that we have done in the past is to have guys trade operating every other qso, so if you work one of us, listen for the other to follow right behind, sort of a two for one deal.

Be careful, have fun, look for KI6DS, don't answer AD6A, (no not really, just kidding Dave, I do want to win the bet though, grin) and remember that the 4 of us will be working under the bikini handicap. I think we deserve honorable mention in the SOC Hall of Shame for that one. See you Saturday on the air. 72, Doug

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 27 Apr 2000 15:36:05 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [68823] Re: Dummy Load
Message-ID: <20000427223605.66272.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Why would you want to do this? What is the advantage over other dummy
>loads?

It was just a thought. I am not even a ham (yet) so a lot of "obvious"
things are not so obvious to me.

I use electrolysis (with exotic electrodes - ruthenium oxide coated
titanium, etc.) in my work. It seems to me that a salt cell could be an easy
way to make any required wattage resistance and would be non-reactive
(although I am not sure about surface effects at the electrodes; could be
some capacitance there if no gas generation at RF).

This being QRP, though, heat is probably not that much of a worry. :-)

Brad

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 27 Apr 2000 15:37:13 -0700
From: schoon@amgt.com
To: <qrp-l@Lehigh.EDU>, <alihernlem@hotmail.com>
Subject: [68824] RE: Dummy Load
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-
BD-000427223713Z-3358@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Now, what would be cool about this is if you could throw this type of
contraption into saltwater and get power out of it!

72

.mark

=====
Mark Schoonover KA6WKE IS Manager
Trail Runner, HAM schoon@amgt.com
 ka6wke@wb6dgr.#sca.ca.usa.noam
http://www.qsl.net/ka6wke ka6wke-1 145.05
 Mobile: 146.52 & 28.470
Lat: 32.85380 Long: -117.00980 Grid: DM12LU
=====

>-----
>From: Brad Hernlem[SMTP:alihernlem@hotmail.com]
>Sent: Thursday, April 27, 2000 3:36 PM
>To: Low Power Amateur Radio Discussion
>Subject: Re: Dummy Load
>
>>Why would you want to do this? What is the advantage over other dummy
>>loads?
>
>It was just a thought. I am not even a ham (yet) so a lot of "obvious"
>things are not so obvious to me.
>
>I use electrolysis (with exotic electrodes - ruthenium oxide coated
>titanium, etc.) in my work. It seems to me that a salt cell could be an easy
>way to make any required wattage resistance and would be non-reactive
>(although I am not sure about surface effects at the electrodes; could be
>some capacitance there if no gas generation at RF).
>
>This being QRP, though, heat is probably not that much of a worry. :-)
>
>Brad
>
>-----
>Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>
>
>

Date: Thu, 27 Apr 2000 18:46:36 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: "Doug Hendricks" <ki6ds@hotmail.com>, qrp-1@Lehigh.EDU
Subject: [68825] Re: Contest: QRP to the Field Operation for K1MG, AD6A, AK1P, KI6DS
Message-ID: <200004272246.SAA00701@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I spend summer vacation a few hundred years south of Sunset Beach with the in-laws - and I know for a fact it is too cold in April for any bikinis to be out at Sunset Beach....

That is one rumor this midwesterner is not going to let you left coasters propagate! ;>)

My guess is that the wind noise may be a lot more of a problem than the bikinis!

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Thu, 27 Apr 2000 15:52:33 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: kanga@bright.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68826] RE: Contest: QRP to the Field Operation for K1MG, AD6A, AK1P, KI6DS
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EB6A@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

We never expect a midwesterner to understand California beach climatic science, even at Pajarro, where your in-laws are. Summer is the coldest season at the beach, while April and October are ideal.

Methinks ye just be jealous!

Mike K1MG

End of QRP-L Digest 1804

